

WHAT IS CLAIMED IS:

1 1. A set of trimming accessories for trimming a rubber plate which is
2 configured to be placed on a platform of an ion implanter, the platform of the ion implanter
3 including a plurality of primary holes and a plurality of primary notches, the set of trimming
4 accessories comprising:

5 a trimming member configured to trim the rubber plate; and

6 a template including a plurality of secondary holes corresponding to the
7 plurality of primary holes of the platform of the ion implanter and a plurality of secondary
8 notches corresponding to the plurality of primary notches of the platform of the ion
9 implanter, the template being adapted to guide the trimming member to trim the rubber plate
10 to form a plurality of tertiary holes in the rubber plate corresponding to the plurality of
11 secondary holes of the template and to form a plurality of tertiary notches in the rubber plate
12 corresponding to the plurality of secondary notches of the template.

1 2. The set of trimming accessories of claim 1 wherein the trimming
2 member comprises a knife.

1 3. The set of trimming accessories of claim 1 wherein the trimming
2 member comprises a laser.

1 4. The set of trimming accessories of claim 1 further comprising an
2 optical detector configured to detect contours of the template formed by the plurality of
3 secondary holes and the plurality of secondary notches.

1 5. The set of trimming accessories of claim 4 further comprising a
2 controller coupled to the trimming member and to the optical detector to control the trimming
3 member based on the detected contours of the template from the optical detector to trim the
4 rubber plate to form the plurality of tertiary holes in the rubber plate corresponding to the
5 plurality of secondary holes of the template and to form the plurality of tertiary notches in the
6 rubber plate corresponding to the plurality of secondary notches of the template.

1 6. The set of trimming accessories of claim 1 wherein the template is
2 adapted to be placed over the rubber plate for guiding the trimming member to trim the
3 rubber plate.

1 7. A method for trimming a rubber plate which is configured to be placed
2 on a platform of an ion implanter, the platform of the ion implanter including a plurality of
3 primary holes and a plurality of primary notches, the method comprising:

4 providing a template including a plurality of secondary holes corresponding to
5 the plurality of primary holes of the platform of the ion implanter and a plurality of secondary
6 notches corresponding to the plurality of primary notches of the platform of the ion
7 implanter; and

8 trimming the rubber plate using the template as a guide to form a plurality of
9 tertiary holes in the rubber plate corresponding to the plurality of secondary holes of the
10 template and to form a plurality of tertiary notches in the rubber plate corresponding to the
11 plurality of secondary notches of the template.

1 8. The method of claim 7 wherein the template is placed over the rubber
2 plate for guiding a trimming member to trim the rubber plate.

1 9. The method of claim 7 wherein the rubber plate is trimmed using a
2 trimming member selected from the group consisting of a knife and a laser.

1 10. The method of claim 7 further comprising providing a controller to
2 automatically control a trimming member based on contours of the template to trim the
3 rubber plate to form the plurality of tertiary holes in the rubber plate corresponding to the
4 plurality of secondary holes of the template and to form the plurality of tertiary notches in the
5 rubber plate corresponding to the plurality of secondary notches of the template.

1 11. The method of claim 10 further comprising optically detecting the
2 contours of the template and providing the detected contours to the controller to
3 automatically control the trimming member based on the detected contours of the template to
4 trim the rubber plate.

1 12. The method of claim 7 wherein the tertiary holes in the rubber plate are
2 trimmed to match the primary holes of the platform and the tertiary notches in the rubber
3 plate are trimmed to match the primary notches of the platform.

1 13. A method for trimming a rubber plate which is configured to be placed
2 on a platform of an ion implanter, the platform of the ion implanter including a plurality of
3 primary holes and a plurality of primary notches, the method comprising:

4 providing a template including a plurality of secondary holes corresponding to
5 the plurality of primary holes of the platform of the ion implanter and a plurality of secondary
6 notches corresponding to the plurality of primary notches of the platform of the ion
7 implanter;

8 placing the template over the rubber plate; and

9 automatically controlling a trimming member for trimming the rubber plate to
10 form a plurality of tertiary holes in the rubber plate corresponding to the plurality of
11 secondary holes of the template and to form a plurality of tertiary notches in the rubber plate
12 corresponding to the plurality of secondary notches of the template.

1 14. The method of claim 13 further comprising optically detecting
2 contours of the template and providing the detected contours to the controller to
3 automatically control the trimming member based on the detected contours of the template to
4 trim the rubber plate.

1 15. The method of claim 13 wherein the tertiary holes in the rubber plate
2 are trimmed to match the primary holes of the platform and the tertiary notches in the rubber
3 plate are trimmed to match the primary notches of the platform.

1 16. The method of claim 13 wherein the trimming member comprises a
2 laser.

1 17. The method of claim 13 wherein the trimming member comprises a
2 knife.

1 18. The method of claim 13 further comprising placing the trimmed rubber
2 plate on the platform so that the tertiary holes of the rubber plate match the primary holes of
3 the platform and the tertiary notches of the rubber plate match the primary notches of the
4 platform.